

California Regional Water Quality Control Board
North Coast Region

MONITORING AND REPORTING PROGRAM NO. R1-2005-0054

FOR

ALLIANCE MINI-MART

1070 HIGHWAY 101, NORTH
CRESCENT CITY, CALIFORNIA

DEL NORTE COUNTY

MONITORING

1. Prior to purging, the depth to groundwater shall be determined quarterly to at least 0.01 foot increments in all groundwater monitoring wells. The data generated from the elevation readings must be referenced to mean sea level.
2. Water samples shall be collected for analysis on a quarterly schedule from monitoring wells MW-3, MW-5 through MW-8, MW-10, MW-11 and MW-15 through MW-17.
3. Water samples shall be collected for analysis on a semiannual schedule, during the second and fourth quarters of each year from monitoring wells MW-2, MW-12, MW-13, MW-14 and recovery well RW-1.
4. Water samples shall be analyzed for TPH-gasoline, benzene, toluene, ethylbenzene, and xylenes. Sample analysis must be performed at a certified laboratory. Field parameters temperature, pH, conductivity, dissolved oxygen and oxidation/reduction potential shall be measured in conjunction with each well's water sampling schedule.
5. Monitoring wells on the quarterly sampling schedule (Monitoring Item 2) shall be sampled for analysis of the following parameters: dissolved oxygen, ORP, temperature, pH, bromide, bromate, dissolved hexavalent chromium, dissolved vanadium, dissolved selenium, and dissolved molybdenum. The dissolved oxygen, ORP, temperature, and pH shall be measured in the field. The laboratory reporting limit for hexavalent chromium should be no higher than 5 µg/l and the laboratory reporting limit for bromate should be no higher than 10 µg/l.

REPORTING

1. Quarterly monitoring reports shall be submitted to this office in accordance with the following schedule:

<u>Reporting Period</u>	<u>Due Date</u>
January, February, March	May 1
April, May, June	August 1
July, August, September	November 1
October, November, December	February 1

2. A groundwater elevation contour map shall be included for each set of measurements and shall include the following:
 - a) location of onsite facilities;
 - b) location of the monitoring wells;
 - c) location of the former underground tanks; and
 - d) groundwater flow pattern including the direction of the groundwater gradient.
3. A contamination isogram map shall be included for each significant pollutant detected during the monitoring events and shall include the following:
 - a) location of the facilities;
 - b) location of the monitoring wells; and
 - c) location of the former underground tanks.
4. Current and previous analytical results shall be reported in tables which include the following:
 - a) sampling point;
 - b) date of sample collection;
 - c) constituents and analytical results; and
 - d) quantification limits employed for non-detect analytical results.
5. Current and previous remedial system operation and maintenance activities shall be reported in the monitoring reports.
6. Each report shall contain copies of the well purging and sampling field logs; chain of custody documents showing the time and date of collection and person collecting; and signed laboratory sheets including quality control data and explanations of analytical anomalies, if any. These supporting documents may be included as appendices to the report.

7. Monitoring data and reports shall also be submitted electronically to the State Water Resources Control Board's GeoTracker database.

Ordered by _____

Catherine E. Kuhlman
Executive Officer

June 2, 2005

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